

ALIMENTARY MILK AND YOGURT PROCESSING PLANT



The whole plant



Milk processing section

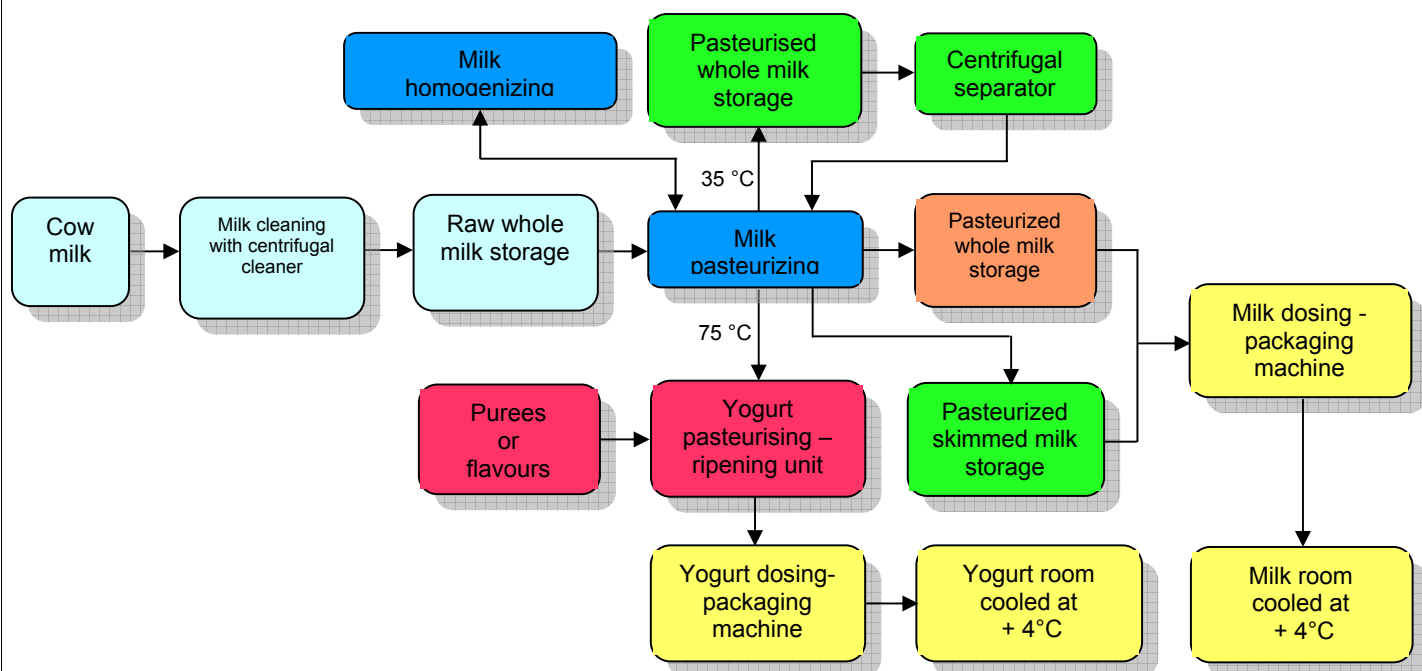


Filling section

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PASTEURIZED ALIMENTARY MILK AND YOGURT PROCESSING PLANT

Processing chart



Description

This is a complete line for cow milk transformation into different products, among which:

- ✓ Pasteurized whole alimentary milk;
- ✓ Pasteurized semi-skimmed alimentary milk;
- ✓ Yogurt.

A centrifugal electro-pump and a milk pipeline transfer the raw milk from the milk refrigerator to the dairy; before being stored in the relative tanks, it is cleaned with cold method with a centrifugal cleaning machine.

From the storage tank the milk is transferred to the pasteuriser for alimentary milk, where it is homogenized, and from the pasteurizer the milk follows different processes according to the product to obtain, for example:

- ✓ PASTEURIZED WHOLE ALIMENTARY MILK, the milk is pasteurized at the temperature of + 76 °C and cooled at + 4 °C, it is sent to the storage tank and to the dosing machine for bottles of 1 and ½ litre;
- ✓ PASTEURIZED SEMI-SKIMMED ALIMENTARY MILK, the milk goes out of the pasteurizer at the temperature of + 35°C, it is sent to the storage tank, it flows out of the centrifugal separator, the semi-skimmed milk enters again in the pasteurizer, where it is pasteurized at + 76°C and cooled at + 4°C, it is sent to the storage tank and to the dosing machine for bottles of 1 and ½ litre;
- ✓ YOGURT, the milk is pre-heated at + 75°C and sent to the pasteurizing - ripening - cooling machine for yogurt. After the technologic cycle inside the ripening machine, the coagulation is cut and yogurt is sent to the dosing - packaging machine into pre-formed plastic pots; if required, after coagulation cut, it is possible to add fruit purees or flavours.

The plant is equipped with a semi-automatic C.I.P. Chemical washing plant to wash the tanks and the pipelines.